

CLAIMS

- 1 1. A siphon tube for maintaining a trickle flow of fluid through a
2 tank reservoir and bowl of a toilet, a water supply line being in fluid
3 communication with the tank by virtue of a ball cock valve, the tank reservoir
4 fluidly interconnecting with the bowl by an overflow tube, said siphon tube
5 comprising:
6 an elongated and interiorly hollowed body having first and second
7 fluidly interconnecting and parallel extending lengths, said first length being
8 shorter than said second length; and
9 an upper interconnecting end established between said fluid lengths
10 further comprising a plurality of winding coils;
11 upon prefilling said siphon tube with a volume of fluid, said second
12 extending length being inserted into the overflow tube, causing a trickle flow of
13 fluid to be drawn from the tank reservoir, by vacuum pressure, into said first
14 length, across said winding coils, and out said second length into the bowl, the
15 ball cock valve occasionally activating to draw fluid from the supply line into
16 the tank reservoir.
- 1 2. The siphon tube as described in claim 1, further comprising an
2 upper end of said winding coils interconnecting with said first length, a lower
3 spiraling end of said coils communicating with said second length.

1 3. The siphon tube as described in claim 2, said coils extending at
2 a substantially 90° angle relative to an axial extending direction of said first
3 and second lengths.

1 4. The siphon tube as described in claim 1, further comprising at
2 least one of first and second extending ends associated with said first and
3 second lengths being angled.

1 5. The siphon tube as described in claim 1, said siphon tube
2 exhibiting a specified shape and size and being constructed of a plastic
3 material.

1 6. The siphon tube as described in claim 1, said siphon tube
2 exhibiting a specified shape and size, and further comprising a squeeze bottle
3 for prefilling said tube with a volume of a dye colored fluid.

1 7. A siphon tube for maintaining a trickle flow of fluid through a
2 tank reservoir and bowl of a toilet, a water supply line being in fluid
3 communication with the tank by virtue of a ball cock valve, the tank reservoir
4 fluidly interconnecting with the bowl by an overflow tube, said siphon tube
5 comprising:

6 an elongated and interiorly hollowed body having first and second
7 fluidly interconnecting and parallel extending lengths, said first length being

8 shorter than said second length, at least one of first and second ends associated
9 with said first and second lengths being angled; and

10 an upper interconnecting end established between said fluid lengths
11 further comprising a plurality of winding coils, an upper end of said coils
12 interconnecting with said first length, a lower spiraling end communicating
13 with said second length;

14 upon prefilling said siphon tube with a volume of fluid, said second
15 extending length being inserted into the overflow tube, causing a trickle flow of
16 fluid to be drawn from the tank reservoir, by vacuum pressure, into said first
17 length, across said winding coils, and out said second length into the bowl, the
18 ball cock valve occasionally activating to draw fluid from the supply line into
19 the tank reservoir.

1 8. A method for installing a siphon tube for maintaining a trickle
2 flow of fluid through a tank reservoir and bowl of a toilet, a water supply line
3 being in fluid communication with the tank by virtue of a ball cock valve, the
4 tank reservoir fluidly interconnecting with the bowl by an overflow tube, said
5 method of installation comprising the steps of:

6 providing an elongated and interiorly hollowed body having first and
7 second fluidly interconnecting and parallel extending lengths and an upper
8 interconnecting end comprising a plurality of downwardly winding coils, said
9 first length being shorter than said second length;

10 inverting said siphon tube and so that first and second length ends are
11 arrayed in a generally upwardly extending direction;

12 prefilling said siphon tube with a volume of fluid;
13 temporarily sealing said first length end;
14 inserting said second extending length into the overflow tube; and
15 vacuum drawing a trickle flow of fluid the tank reservoir, into said first
16 length, across said winding coils, and out said second length into the bowl, the
17 ball cock valve occasionally activating to draw fluid from the supply line into
18 the tank reservoir.

1 9. The method as described in claim 8, further comprising the step
2 of injecting a nozzle end of filler bottle into a selected one of said first and
3 second length ends.

1 10. The method as described in claim 9, further comprising the step
2 of applying a dye colorant to a volume of fluid contained within said filler
3 bottle.

1 11. The method as described in claim 9, said step of temporarily
2 sealing said first length end of said prefilled siphon tube further comprising the
3 step of placing an installer's finger over said first length end and removing the
4 finger upon submerging said first length within the tank reservoir.